



STATE OF MISSOURI
 DEPARTMENT OF NATURAL RESOURCES
 AIR POLLUTION CONTROL PROGRAM
 1101 RIVERSIDE DRIVE, PO BOX 176
 JEFFERSON CITY, MISSOURI 65102-0176

**EMISSIONS INVENTORY QUESTIONNAIRE (EIQ)
 FORM 2.8 STORAGE PILE WORKSHEET**

FACILITY NAME	FIPS COUNTY NO.	PLANT NO.	YEAR OF DATA
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[1] STORAGE PILE INFORMATION

POINT NO.		SOURCE CLASSIFICATION CODE (SCC)	SEG. NO.	TYPE OF MATERIAL STORED
	ACTIVITY			
	WIND EROSION			
MOISTURE CONTENT (%) (DEFAULT = 0.7%)		AREA OF STORAGE PILE (ACRES)		
SILT CONTENT (%) (DEFAULT = 1.6%)		RAW MATERIAL LOADING METHOD (CHECK ONE)	RAW MATERIAL UNLOADING METHOD (CHECK ONE)	
STORAGE DURATION (DAYS)		<input type="checkbox"/> BARGE	<input type="checkbox"/> BARGE	
ANNUAL AMOUNT STORED (TONS)		<input type="checkbox"/> RAIL	<input type="checkbox"/> RAIL	
MAXIMUM HOURLY AMOUNT STORED (TONS)		<input type="checkbox"/> TRUCK	<input type="checkbox"/> TRUCK	
		<input type="checkbox"/> CONVEYOR	<input type="checkbox"/> CONVEYOR	
		<input type="checkbox"/> OTHER (SPECIFY) _____	<input type="checkbox"/> OTHER (SPECIFY) _____	

[2] OTHER FACTORS AFFECTING EMISSION RATES

MEAN WIND SPEED (MPH) (DEFAULT = 10 MPH)	% OF TIME WIND > 12 MPH (DEFAULT = 32%)
DRY DAYS PER YEAR (DEFAULT = 260 DAYS)	VEHICLE ACTIVITY FACTOR (DEFAULT = 1.0)

[3] STORAGE PILE EMISSION FACTOR CALCULATIONS

CALCULATION	FORMULA	RESULT
[3-A-1] LOAD IN – LOAD OUT COMPONENT	$.00224 \times \{ \text{MEAN WIND SPEED} \} / 5 \}^{1.3} / \{ \text{MOISTURE CONTENT (\%)} \} / 2 \}^{1.4}$	
[3-A-2] VEHICLE ACTIVITY COMPONENT	$0.05 \times \{ \text{SILT CONTENT (\%)} \} / 1.5 \times \{ \text{DRY DAYS PER YEAR} \} / 235 \times \{ \text{VEHICLE ACTIVITY FACTOR} \}$	
[3-A-3] ACTIVITY PM10 EMISSION FACTOR	$\{ \text{[3-A-1] LOAD IN-LOAD OUT COMPONENT} \} + \{ \text{[3-A-2] VEHICLE ACTIVITY COMPONENT} \}$	
[3-B] WIND EROSION PM10 EMISSION FACTOR	$0.85 \times \{ \text{SILT CONTENT (\%)} \} / 1.5 \times \{ \text{STORAGE DURATION (DAYS)} \} \times \{ \text{DRY DAYS PER YEAR} \} / 235 \times \{ \text{\% OF TIME WIND > 12 MPH} \} / 15$	

PLEASE NOTE

If you use a Source Classification Code (SCC) number and Emission Factor from the list in the instructions for this form, make sure to complete Section 1, Storage Pile Information for each storage pile.